

## MECHANICAL DATA

Bulb	T-6½
Base	E9-1, Small Button 9-Pin
Basing	9A
Cathode	Coated Unipotential
Mounting Position	Any

## ELECTRICAL DATA

### HEATER CHARACTERISTICS

Heater Voltage	Series/Parallel	12.6/6.3	Volts
Heater Current	Series/Parallel	175/350	Ma

### DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

	Section 1 <sup>1</sup>	Section 2
Grid to Plate	1.5	1.5 $\mu\text{mf}$
Input	1.6	1.6 $\mu\text{mf}$
Output	0.5	0.35 $\mu\text{mf}$

### RATINGS (Absolute Maximum Values) Each Section

Plate Voltage	330	Volts
Plate Dissipation	3.0	Watts
Heater-Cathode Voltage	100	Volts
Cathode Current	22	Ma
Bulb Temperature	180°	C
Electrode Insulation (min.)		
Grid to All Other Elements <sup>2</sup>	500	Megohms
Plate to All Other Elements <sup>3</sup>	500	Megohms

### TYPICAL OPERATION

#### Class A<sub>1</sub> Amplifier — Each Section

Plate Voltage	250	Volts
Grid Voltage	-8.5	Volts
Plate Current	10.5	Ma
Transconductance	2200	$\mu\text{mhos}$
Amplification Factor	17	
Grid Voltage for $I_b = 10 \mu\text{a}$	-24	Volts

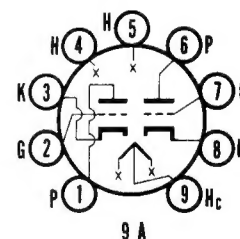
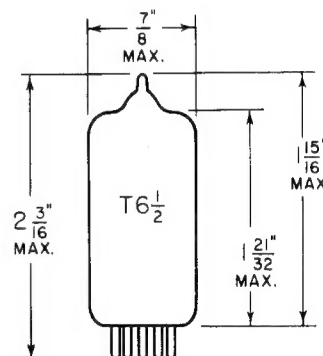
### NOTES:

1. Section No. 1 connects to pins 6, 7 and 8.
2.  $E_f = 12.6$  volts;  $E_g$  to all other elements = 50 volts DC.
3.  $E_f = 12.6$  volts;  $E_p$  to all other elements = -300 volts DC.

## QUICK REFERENCE DATA

The Sylvania Type 5814A is a T-6½, medium  $m\mu$ , double triode having separate cathode connections. Electrically, the 5814A is similar to the Type 12AU7, and, identical to, except for electrode insulation requirements, the Type 5814.

*The Sylvania Type 5814A is manufactured and inspected to meet the applicable MIL-E1 specification for reliable operation.*



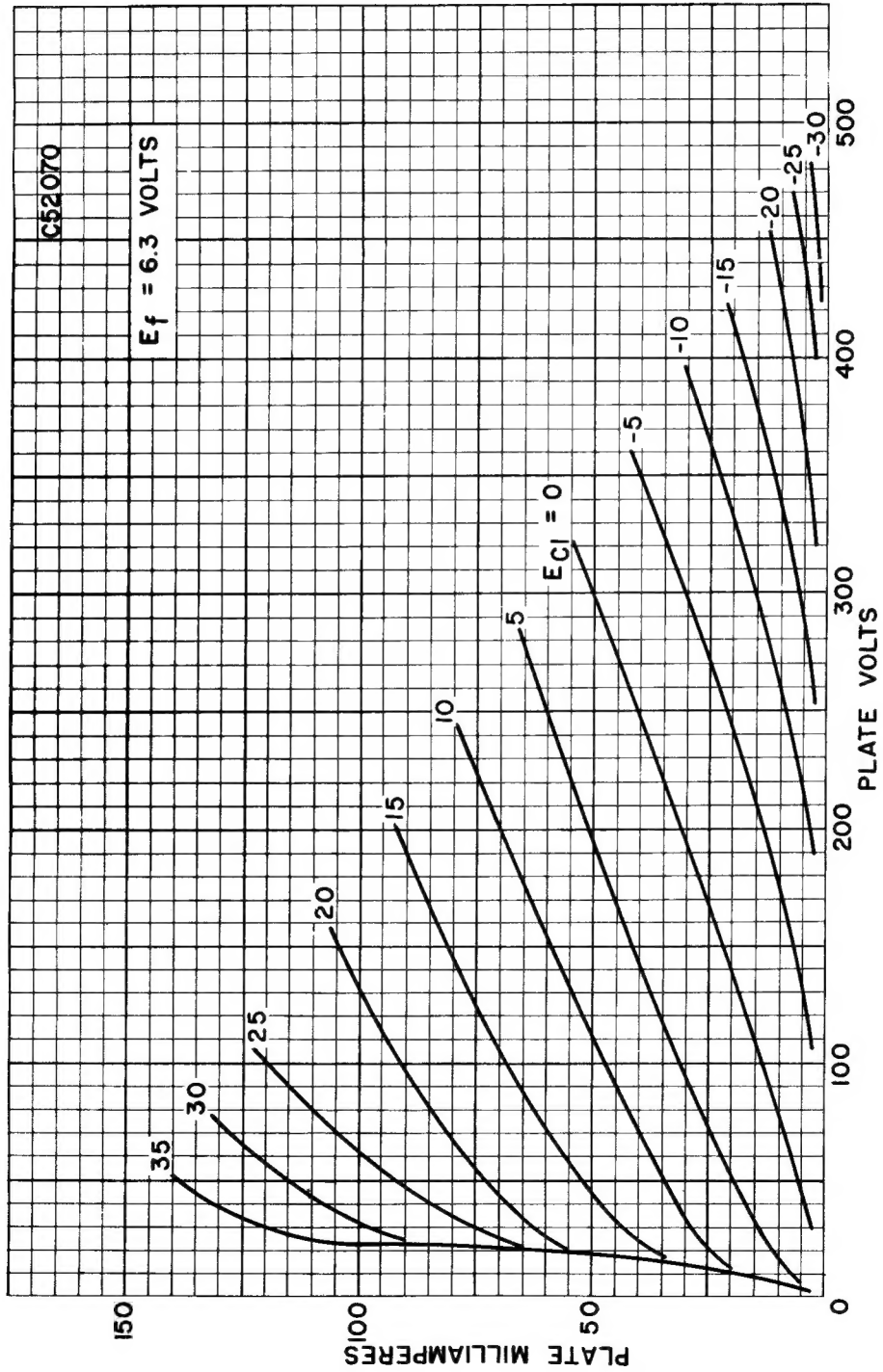
SYLVANIA ELECTRIC  
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AVERAGE PLATE CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS

